

The following are representative references picked out.

■ Clinical-grade hiPSCs/ STEM-CELLBANKER

A clinical-grade HLA haplobank of human induced pluripotent stem cells matching approximately 40% of the Japanese population.

Yoshida S, Kato T, Sato Y, Umekage M, Ichisaka T, Tsukahara M, Takasu N, Yamanaka S. Med. 2023 Jan 13;4(1):51-66.e10.

<https://www.sciencedirect.com/science/article/pii/S2666634022004500>

■ 3D-iPSCs/ STEM-CELLBANKER

A passage-free, simplified, and scalable novel method for iPSC generation in three-dimensional culture.

Tsukamoto M, Kawasaki T, Vemuri MC, Umezawa A, Akutsu H. Regen Ther. 2024 Mar 10;27:39-47.

<https://www.sciencedirect.com/science/article/pii/S2666634022004500>

■ hiPSCs/ CELLBANKER 1

Establishment of human induced pluripotent stem cell-derived hepatobiliary organoid with bile duct for pharmaceutical research use.

Wang L, Kou Y, Kanegae K, Kido T, Tamura-Nakano M, Yabe S, Tai K, Nakajima Y, Kusuhara H, Sakai Y, Miyajima A, Okochi H, Tanaka M. Biomaterials. 2024 Oct;310:122621.

<https://www.sciencedirect.com/science/article/abs/pii/S0142961224001558>

■ hiPSCs/ CELLBANKER 2

Establishing an induced pluripotent stem cell line from neonatal common marmoset fibroblasts by an all-in-one episomal vector approach.

Yoshimatsu S, Qian E, Sato T, Yamamoto M, Ishikawa M, Okano H. Stem Cell Res. 2021 May;53:102380.

<https://www.sciencedirect.com/science/article/pii/S1873506121002269>

■ Canine iPSc/ STEM-CELLBANKER

Canine induced pluripotent stem cell maintenance under feeder-free and chemically-defined conditions.

Kimura K, Tsukamoto M, Yoshida T, Tanaka M, Kuwamura M, Ohtaka M, Nishimura K, Nakanishi M, Sugiura K, Hatoya S.

Mol Reprod Dev. 2021 Jun;88(6):395-404.

<https://onlinelibrary.wiley.com/doi/10.1002/mrd.23478>

The following are representative references picked out.

■ hiPSCs/ STEM-CELLBANKER

Multisite studies for validation and improvement of a highly efficient culture assay for detection of undifferentiated human pluripotent stem cells intermingled in cell therapy products.

Watanabe T, Yasuda S, Kusakawa S, Kuroda T, Futamura M, Ogawa M, Mochizuki H, Kikkawa E, Furukawa H, Nagaoka M, Sato Y.

Cytotherapy. 2021 Feb;23(2):176-183.

[https://www.isct-cytotherapy.org/article/S1465-3249\(20\)30796-9/fulltext](https://www.isct-cytotherapy.org/article/S1465-3249(20)30796-9/fulltext)

■ hiPSCs/ STEM-CELLBANKER

Human iPS cell derived RPE strips for secure delivery of graft cells at a target place with minimal surgical invasion.

Nishida M, Tanaka Y, Tanaka Y, Amaya S, Tanaka N, Uyama H, Masuda T, Onishi A, Sho J, Yokota S, Takahashi M, Mandai M.

Sci Rep. 2021 Nov 2;11(1):21421.

<https://www.nature.com/articles/s41598-021-00703-x>

■ hiPSCs/ STEM-CELLBANKER

Pre-clinical study of induced pluripotent stem cell-derived dopaminergic progenitor cells for Parkinson's disease.

Doi D, Magotani H, Kikuchi T, Ikeda M, Hiramatsu S, Yoshida K, Amano N, Nomura M, Umekage M, Morizane A, Takahashi J.

Nat Commun. 2020 Jul 6;11(1):3369.

<https://www.sciencedirect.com/science/article/pii/S2666634022004500>

■ Porcine iPSCs/ CELLBANKER 1

Establishment of porcine nuclear transfer-derived embryonic stem cells using induced pluripotent stem cells as donor nuclei.

Haraguchi S, Dang-Nguyen TQ, Wells D, Fuchimoto D, Fukuda T, Tokunaga T.

J Reprod Dev. 2020 Apr 10;66(2):163-174.

https://www.jstage.jst.go.jp/article/jrd/66/2/66_2019-137/_article

■ hiPSCs/ STEM-CELLBANKER

An effective serum- and xeno-free chemically defined freezing procedure for human embryonic and induced pluripotent stem cells.

Holm F, Ström S, Inzunza J, Baker D, Strömberg AM, Rozell B, Feki A, Bergström R, Hovatta O.

Hum Reprod. 2010 May;25(5):1271-9.

<https://academic.oup.com/humrep/article/25/5/1271/640282>